## Exhibit D

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               IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA
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                         IN AND FOR THE COUNTY OF KERN
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               BEFORE THE HONORABLE LORNA H. BRUMFIELD, JUDGE
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                                 DEPARTMENT 17
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     COLEEN M. PERRY AND PATRICK
                                          )
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     PERRY,
                        Plaintiff,
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                                          ) Case No.
                                          ) S-1500-CV-279123 LHB
         vs.
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     HUNG T. LUU, M.D.; JOHNSON &
                                                VOLUME XVIII
                                          )
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     JOHNSON, a New Jersey
     corporation; ETHICON, INC., a New ) Pages 3246 - 3488
     Jersey corporation; and DOES
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     1-60,
                        Defendants.
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                    REPORTER'S TRANSCRIPT OF PROCEEDINGS
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                             TRIAL - DAY EIGHTEEN
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                               February 11, 2015
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                                    B. Suzanne Hull
     Reported By:
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                                    CSR No. 13495
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                                    Official Reporter
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carry? And we are not going to take a real conservative -- well, we are not going to go with a really low load without, you know, having a lot of justification for that.

So in this case we wanted to be conservative in the sense of worst case; so what we know is that if I take a piece of TVTTM mesh and pull on it, there comes a time where if I let go of the mesh, I pull on it and let it go, it goes back to its original shape. And that if I keep applying a load and I let go, then it does go back to its original length. And that's called a yield point in engineering testing.

We know that the TVTTM mesh just doesn't deform like that in clinical use. It doesn't look like that after you place it. And it if it were to do that after it has been placed and the patient has gone home and has resumed her life, then what would happen is every time that mesh sees a load, if it is already permanently deformed and it is already lengthened, the patient would go back to being incontinent because now the mesh is too long and it is not supporting the urethra. And we know that doesn't happen because we have got years -- eleven years, seventeen years of clinical data to show that the TVTTM works. It is a durable cure.

Q. Now, the next sentence says:

"This fixation force is more than
100 grams greater than the mean tension

1 live patient during a hard cough and we are testing

to more than 100 grams higher than that, we are at
164, then we are pretty sure the load we are applying

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4 is -- is much worse than the sling we'll see in the 5 body and that is the load that we use to make thi

5 body and that is the load that we use to make this
6 assessment. We're going to go worst case. We have
7 qot to make sure our sling can do this.

- Q. In terms of pounds and ounces, what does fifty grams equate to?
  - A. So fifty grams is less than two ounces.
  - Q. All right.

MR. GAGE: You can take that down, Marc. Thank you.

BY MR. GAGE:

Q. All right. Now, Ms. Elbert, I want to ask you about -- you mentioned it, I believe, yesterday briefly. I want to go back to TOPA.

Can you remind the jury what TOPA was.

- A. So TOPA was a project I worked on after we launched Abbrevo. TOPA was our attempt to use a partially absorbable mesh, as opposed to the Prolene® mesh on our other TVTTM products, which pure Prolene®, it doesn't resorb, but a partially absorbable mesh in a TVTTM-O like procedure.
- Q. Okay. And what is the difference -- what is the difference between TOPA mesh and the Prolene® mesh that is used in, for example, Abbrevo?
  - A. Uh-huh. So our regular TVTTM mesh is a knit

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sustained by a fascial sling following pubovaginal sling surgery in a published study."

And then there's a footnote three.

A. Uh-huh.

MR. GAGE: If you could highlight footnote three, Marc.

BY MR. GAGE:

Q. And we see here a reference to a study.
All right. So would you explain to us the final highlighted sentence and the highlighted footnote, what that means.

A. Yeah. So we had an engineering and medical justification for using 164 as our worst caseload. We know that it doesn't go beyond that.

Back in 2005 a study was published by Lin, et al., where they actually instrumented a fascial sling during an SUI surgery in ten patients, and then they had the patient cough while the sling was on there. They had a force gauge on it, and they measured the force that the sling saw. And the forces that they measured during the cough at various bladder volumes and with the patient lying flat and with the patient elevated some -- not so much that she slid off the table but elevated some -- they found that the largest force seen was fifty grams, which is pretty low force.

If they measured fifty grams in an actual

mesh. What we do is we take a strand of clear Prolene® and a strand of blue Prolene®. We gently twist them together, and we knit our mesh. Because it is all Prolene®, that's -- the mesh you start with is the mesh you end with.

And for the partially absorbable mesh, what we did is we kept our strand of blue Prolene® and now we twisted it with a strand of clear MonocrylTM, which is an absorbable -- it is a material we use in sutures, and we knit the mesh out of that. Same kind of knit constructions. Same kind of pore size. But now, instead of two strands of Prolene®, it is one strand Prolene®, one strand MonocrylTM knitted into our mesh and that was a concept we were pursuing for SUI.

- Q. All right. And you were the project leader for TOPA?
  - A. Yes.
  - Q. Just as you were for the Abbrevo?
- 20 A. Yes.
  - Q. Okay. What was the overall purpose or goal of TOPA? What were you trying to accomplish?
- A. So this was where we -- we were looking at -- we know the TVTTM mesh works. We have great clinical history. We offer those products today. But we also, sort of philosophically, like the idea of less is more.

So with Abbrevo we give surgeons the option

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- of leaving less mesh in the patient because it is
- 2 shorter, but it is the same mesh; so TOPA was our
- 3 idea, well, what if we can leave less mesh in the
- 4 patient -- the same length, but less eventual
- 5 material after the MonocrylTM resorbs. And the
- 6 MonocrylTM resorbs pretty quickly. It takes weeks or
- 7 months. And then just the Prolene® piece is left 8 behind.
- 9 Q. All right. The jury has heard about the 10 a mesh called UltraproTM.
- A. Uh-huh. 11
- Are you familiar with that mesh? 12 Q.
- 13 Α.
- 14 That is an Ethicon mesh; correct? Q.
- 15 Α.
- 16 Q. What is UltraproTM made of?
- So UltraproTM is also made of Prolene® and 17 A. 18 MonocrylTM.
- 19 And the jury has also heard of Vypro®? Q.
- 20 Α.
- 21 Have you heard of Vypro®? Q.
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- Vypro® is another Ethicon mesh? 23 Q.
- 24 A. Yes.

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- 25 What is Vypro® made of? Q.
- Vypro® is made out of Prolene® plus Vicryl. 26 Α.
- Now, Ms. Elbert, explain to the jury what 27
- 28 testing, if any, you personally participated in with

development work.

We ended up -- so we requested an extension from the FDA to respond to their questions, and then we ended up withdrawing the submission.

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Okay. And what generally were the questions that were being asked by FDA with regard to TOPA? MR. CARTMELL: Objection, Your Honor.

Hearsay.

MR. GAGE: I can rephrase it. THE COURT: Yeah. Rephrase it.

11 BY MR. GAGE:

> O. What were the issues that were being raised by the FDA with regard to TOPA?

> > MR. CARTMELL: Same objection, Your Honor.

THE COURT: Overruled.

THE WITNESS: So the FDA was asking us if we had human clinical data, and at the time of submission we did not; however, we were preparing a clinical study at that time.

They also had some questions around the materials used in the mesh and -- yeah. Just others -- some general questions, but predominantly, it was around a request for clinical data. BY MR. GAGE:

- Q. And the issues with regard to the materials used in the mesh, what -- what were those issues?
- Yeah. So they were asking us for some additional background data on the MonocrylTM and on

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respect to the TOPA mesh.

A. So as part of the development of TOPA, we were doing development on the mesh itself. We were working with the people who were knitting the mesh to develop that process, and then we were testing a lot of samples to make sure that our process -- you know, the various ways, how fast you knit it, how hot you kneel it, how you scour or clean the mesh after. How long you can store the mesh, which has an absorbable 10 component. You have to protect it from light and from moisture; so, you know, all those different 11 parameters, what impact that has on the material 12 properties of the mesh itself. And then we had to do 13 14 testing on not just the mesh as a component, but the mesh as used in our basically O-like procedure, Obturator-like procedure.

- Q. And at some point, the company submitted a 510(k) application for TOPA; correct?
  - A. Yes, we did.
  - And what happened with that?
- The FDA came back with a series of questions. Concurrently with that, we were continuing our development work and looking towards a clinical study.

When the FDA came back with questions, we then recognized that we were having usability issues not with the mesh, but the mesh as used in that product; so we were continuing on with our

the -- how we knit the mesh, those kinds of things. Q. Okay. Now, were cadaver labs -- you

indicated that concurrently with the submission of the 510(k) you were also doing some additional testing.

Did you do any cadaver lab testing on TOPA?

- Yes, we did. Α.
- Q. Can you describe that testing -- well, first of all, let me ask you this.

Were you personally involved in that?

- A. Yes, I was.
- Okay. Can you describe to the jury the Q. testing -- the cadaver testing for TOPA.
- So we took TOPA prototypes and went into a cadaver lab, started to place them, and then were surprised by the results that we had. It was -- the mesh, you could place it while it was still in a sheath.

I don't have an O in front of me, but while it is still covered in this plastic sheath we could do the procedure. And then at the end of the procedure you have to pull the sheath out to leave the mesh behind. And those sheaths were really hard to pull off, and we had not experienced that before.

- O. How many different -- well, did you do multiple cadaver labs?
- Oh, yes. Α.
- How many? Q.

14 (Pages 3295 to 3298)

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We did at least six cadaver labs. Α.

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And what was the purpose of each of those six cadaver labs?

A. Well, when this first happened we thought, okay. Maybe we had a weird prototype. Maybe the surgery wasn't quite right. Let's try it again; so we tried it several times. Sometimes it worked better than other times. But every time we placed it, we had issues pulling off the sheath. And from O and Abbrevo we were used to that sheath just kind of slipping right out. You don't really even think about it.

So we would make new prototypes, trying new things. Was it the sheath? Was it the mesh? Had they been out in air too long? Had they gotten wet? Did they need to be wet? We tried all different kinds of things to address this. And, of course, at this point we knew that everything else was on hold. We were not submitting. We were not proceeding. We were trying to figure this out.

- Q. Okay. And what was the difference, if any, between the mesh that you were using in TOPA versus the mesh that you were using in Abbrevo and TVTTM-O?
- A. Yeah. So the difference would be the addition of that MonocrylTM -- or, actually, a substitution of half the Prolene® for MonocrylTM.
  - Which is the absorbable part? Q.
- Α. Exactly.

the same mesh. It comes into the plant on the same roll. Some of it gets made into laser-cut product. Some of it gets made into mechanical-cut product. It is just a process step.

But we know that at high loads and at high elongations laser cut and mechanically cut start to act a little differently. At low loads they are identical; so it didn't make much sense to just look at the low-load range. But when we do benchtop testing, we always test our stuff to extremes, and so we tested this. We had a requirement that the mesh needed to act kind of within the range of what we think were mechanically and laser-cut mesh.

- Q. And so this work was being done by you for project TOPA; correct?
  - Α. Yes.
- Okay. Was the mesh that you were using during this testing the same mesh that would have been in the Abbrevo -- or at least some of the mesh that you would have been testing, would it have been the same mesh in Abbrevo?
  - A. Yes. It is all the same basic mesh.
- And why was this testing important? Why was it important enough for you to do?

We have the gold standard product. TVTTM mesh is -- that's the product that everyone else compares themselves to. It is the product the FDA compares to. It's the gold standard. You don't mess

Page 3300

Q. Okay. Were you or the company ever able to determine what the problem was and why you couldn't get it to work in the cadaver labs?

A. So we worked on that for about another year making samples, trying to test them. At this point we weren't testing on cadavers anymore. We made a benchtop kind of fixture to try to figure this out, made a lot of product, tried all different kinds of parameters. We could not really get to the bottom of what the issue was of this partially absorbable mesh in an obturator-type procedure in a sheath; so that was our final conclusion of, okay. We don't know why. If you are going to do a partially absorbable mesh right now, we don't have a way to place it as an obturator product.

- O. Now, as part of your work on TOPA, did you have an occasion to test laser-cut and mechanical-cut mesh?
  - A. Yes.
- Okay. Explain to the jury why you were conducting those tests.
- A. So while we were developing the mesh we needed to set requirements for it of how should it act. And one of their requirements we had on it was that it shouldn't be so different from the mesh we currently sell.

Now, we only sell one mesh. It is the TVTTM mesh. But we sell it cut two different ways. It is

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Page 3301

around with that lightly. It is a very effective product. It has been used around the world.

So we have a real legacy there. And for us to come out with a new mesh, it has got to meet a really high standard for us to say, all right. This is as good as TVTTM; so we did a lot of testing to make sure that this mesh would be at least as good as TVTTM.

- And what was your role in that testing? Q.
- So I -- as project lead, I received all of the data, I analyzed the data. And after we did testing for another good year or so, I was the one who wrote the completion report on everything we found out and didn't find out.
- 15 All right. Is it fair to characterize this 16 testing as elongation testing? 17
  - Yes. Α.
  - And describe for the jury what elongation Q. testing is.
  - A. Okay. So when you do a tensile test, you get your mesh, you clamp it top and bottom, and you pull; so you can either apply a load -- you know, a force -- and measure how much your mesh stretches or elongates or you can apply an elongation or a displacement and measure the force it took to get there. You apply one and you measure the other.

So it doesn't particularly matter if I have a mesh this long or a mesh this long or a mesh this